

### ABSTRACT OF THE DISCLOSURE

A method for measuring at least one characteristic property of a pneumatic tyre for a vehicle wheel includes arranging at least one array of deformable sensors along a first direction; making the tyre pass at speed over the sensors along a second direction; generating an electrical signal proportional to a speed of deformation of each sensor when the tyre contacts the sensor; detecting the electrical signal generated by each sensor; and determining, starting with the detected signals, the at least one characteristic property. The second direction is a motion direction of the tyre. The first direction is transverse to the second. The at least one array of sensors extends in the first direction for a distance greater than or equal to a dimension of the tyre in the first direction. When the at least one array includes a plurality of arrays, the arrays may be arranged substantially in parallel.